gaining access to vasculature;

advancing the system to a target site within vasculature;

causing relative longitudinal motion between the plunger and the catheter;

deploying the medical device at the target site by engaging the medical device with the delivery sheath portion of the plunger;

withdrawing the plunger so that it substantially mates with the delivery sheath portion of the catheter; and

removing the system from the vasculature.

7. The method of claim 6, wherein the system further includes an inner tube slidably disposed in the catheter and further comprising translating the inner tube longitudinally independently of the plunger beyond a terminal end of the catheter.

8. The method of claim 7, wherein the system includes a guidewire slidably received within the inner tube and further comprising placing the guidewire within the vasculature.

9. The method of claim 8, further comprising configuring the guidewire across the target site.

10. The method of claim 9, further comprising advancing the catheter and plunger over the guidewire to the target site.

11. The method of claim 10, wherein the system includes a introducer sheath sized to receive the delivery sheath and further comprising configuring the system for placement within vasculature by coaxially arranging the introducer sheath about the delivery sheath and the delivery sheath about the plunger and inner tube.

12. The method of claim 11, further comprising employing the introducer sheath to dilate an insertion site into which the system is advanced.

13. The method of claim 12, further comprising removing the introducer sheath while leaving the delivery sheath in place in the vasculature.

14. The method of claim 6, wherein the medical device is self-expanding.

15. The method of claim 6, wherein the medical device is a stent/graft.

16. The method of claim 6, wherein the system includes an introducer sheath and further comprising introducing the introducer sheath within vasculature subsequent to placement of the delivery sheath into vasculature.

17. The method of claim 6, wherein the plunger is advanced with respect to the catheter.